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Important Safety Instructions

Thank you to choose the LCD TV monitor made by our company, a valuable product with excellent quality and multiple functions. This machine will bring you more audiovisual enjoyment. Its design can insure user's safety. All machine are strictly tested before leaving factory. But incorrect use can lead to electric shock or fire. In order to insure safety and extend its life, please read below regulations carefully before using it and comply with the following safety instructions.

1）Read the manual and marking label before using the machine, and keep the user manual for later use.
2）There is high voltage inside the machine, follow all the warnings and instructions strictly on the manual.
3）Don't use the attachments which are not recommended by the machine manufacturer as they may cause hazards.
4）The power cord must be placed correctly so as to avoid be trample or crush.
5）Please do not make the power socket overloaded or the power cord extended. Otherwise it will cause fire or electrical shock.
6）If you are going to pull out the power cord from this product, please dry your hands, pull the cord by grasping the plug. Never pull the cord itself.
7）If you will not use the machine for a long time, please pull out the power cord. Do not keep the sleeping mode for too long time.
8）Please put this machine in the place of well ventilation instead of extremely hot, cool or moist, and direct sunshine.
9）The slots on the case is designed to release heat so as to assure that all inside components will not reach an extra high temperature and can work normally for a long time. Please do not cover the holes while place it. Don't place the machine near or over heat source or place in built-in installation.
10）The power cord must be taken off before you clean the machine. Don't use the liquid cleanser or aerosol cleanser. It is recommended to use a wet soft cloth to clean the machine. Don't use the alcohol, impregnant or ammoniac liquid to wipe the screen.
11）Please don't place it on an unstable position so as to avoid falling off.
12）Don't place the LCD TV near water source, like a bathtub, pool, washing machine, or moist cellar and similar environment.
13）The LCD panel is fragile and expensive. The surface of the panel is easy to be scratched. Please don't use the hard thing to knock, press, score the panel. Otherwise it will be harmful for the panel. The exchange cost is very high.

14）There is high voltage inside the machine but no parts which can be repaired by users themselves. In order to assure the people's safety, please don't open the case to repair it by yourself. If it is needed to repair, please contact qualified engineer to repair.

15）All cables can be connected or pull out only after power supply is turned off.

16）During a thunder rain weather, do not touch the power cord and antenna cable.

17）When the following troubles occur, please pull out the plug and call the professional engineers to repair.

A. The cable or plug is damaged.

B. The product was fallen down or the case is damaged.

C. Obvious abnormal situation occurs. In spite of correct operation according to the user manual but it still can't work normally.

D. Some abnormal substances or liquid fall into it.

E. Unusual sound or smell sends out.

18）When the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

19) The machine should not suffer from waterdrop or watersplash, do not place the vessel with water (or other liquids) on it, for like this it is possibly to cause fire or electric shock.

20) The attaching plug should be inserted into the power point completely, otherwise it may cause spark to bring fire.

21) Please do not put candle, ash-tray, incense, inflammables or explosive nearby this machine.

22) Please do not stretch into any sharp object, metal or liquid, or touch the signal attachment or the inner of radiation hole, in order to avoid short circuit and product damage, or possibly causing electric shock. Especially pay attention when there are children on the spot.

23) Please don't use the machine immediately when moving the machine from low temperature place to high temperature one, or install and use at the place of facing air conditioning, otherwise it may cause the condensation in the machine, to cause fault.

24) Must be careful when moving this machine, avoiding being struck, especially pay attention to protect the screen part. In addition, if using handcart, must note the injury as the product is overturned from the handcart because of hard braking, overexerting and uneven ground.

Product Introduction

General information

- Having inter high quality sound boxes, which will give you purely audiovisual enjoyment and save your table place.
- Having many ideal connectors, you may directly connect your DVD, vidicon etc. its disport components of input connector let you enjoy beautiful image effect. The product can be used as a computer monitor with VGA or HDMI connectors. Also it can be used as a TV machine when you insert the antenna.
- Much faster response time will completely eliminate shadow of picture. seeing film and playing game may be more fluent.
- Enough colours can reach 16.7 millions kinds .
- Wider viewing angle, higher brightness, higher contrast, lower consumption.
- Intelligent image mode and sound mode can offer you intelligent audiovisual effect.
- Built-in the latest digital comb filter, which makes image more clear. The internal 3D De-Interlace technique can totally eliminate the screen dithering caused by interlace signals.
- Own perfect timing functions, you can set time to turn off. It will be turned off in state of no signals, too.
- Automatically operated convenient with telecontrol device.
- Auto-setup function help you set the image to best performance in several seconds in PC mode.
- Auto color balance adjustment technology takes your machine to the best color setting for all different kinds of display adapters in PC mode.
- Automatic denoise technique can greatly eliminate background noise caused by menu interference and the noise caused by weak signals so as to make the picture on the screen clear.
- Support USB interface, you can look through picture of JPG format and play music files of Mp3 format.

Features

● interface specification:

Interface	Specification
VGA	DB-15, 75Ω 0.5~0.7Vp-p H/V:TTL Level (Support mode refer to VGA Input Mode)
HDMI	Video signal: 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Audio: LPCM 48KHz, 44.1KHz, 32KHz, 24Bit, 20Bit, 16Bit
CVBS Input/Output	75Ω 1Vp-p (PAL/NTSC/SECAM)
S-VIDEO Input	Y: 75Ω 1Vp-p; C: 75Ω 0.286Vp-p
YCbCr/Ypbpr	Y: 75Ω 1Vp-p; Cb/Cr: 75Ω 0.7Vp-p Signal mode: 1080p, 1080i, 720p, 576p, 576i, 480p, 480i
Audio Input/Output	20KΩ, 0.5Vp-p
TV(RF)	75Ω Imbalance
Earphone	16~300Ω 100mW+100mW

● Working Environment:
Atmosphere pressure: 86kPa～104kPa Temperature: 5℃～40℃ Humidity: 10%～85%

● Storage Environment:
Atmosphere pressure: 86kPa～104kPa Temperature: -20℃～55℃ Humidity: 5%～95%

● The Technical Specifications for Final Product

Panel size	18.5"	20"	21.5"(HD)
Max. Resolution	1366×768	1600×900	1366×768
Best resolution	1360×768@60Hz	1600×900@60Hz	1360×768@60Hz
Pixel pitch	0.3mm×0.3mm	0.2768mm×0.2768mm	0.3495mm×0.3495mm
Active area	409.80mm×230.40mm	442.80mm×249.075mm	477.417mm×268.416mm
Power adapter	100-240V 60/50Hz	100-240V 60/50Hz	100-240V 60/50Hz
Volume	3W+3W	3W+3W	3W+3W
TV receive system	PAL+NTSC/PAL+SECAM	PAL+NTSC/PAL+SECAM	PAL+NTSC/PAL+SECAM
Unpacking Dimension(L×H×W)	458×354×71.5 mm	489×371×73.5 mm	525×392×71 mm
Packing Dimension(L×H×W)	518×390×115 mm	550×410×115 mm	585×430×115 mm
Net weight	4.5Kg	5.0Kg	5.0Kg
Gross weight	5.5Kg	6.0Kg	6.5Kg
Color	16.7M	16.7M	16.7M
Surface treatments	Anti-glare	Anti-glare	Anti-glare
Remote control range	⩾8m ± 30°	⩾8m ± 30°	⩾8m ± 30°
Storage channels	199	199	199

Panel size	21.5"(FHD)	23"
Max. Resolution	1920×1080	1920×1080
Best resolution	1920×1080@60Hz	1920×1080@60Hz
Pixel pitch	0.24825mm×0.24825mm	0.2655mm×0.2655mm
Active area	476.64mm×268.11mm	509.76mm×286.74mm
Power adapter	100-240V 60/50Hz	100-240V 60/50Hz
Volume	3W+3W	3W+3W
TV receive system	PAL+NTSC/PAL+SECAM	PAL+NTSC/PAL+SECAM
Unpacking Dimension(L×H×W)	525×392×71 mm	557×407×71.5 mm
Packing Dimension(L×H×W)	585×430×115 mm	618×445×115 mm
Net weight	5.0Kg	5.5Kg
Gross weight	6.5Kg	7.0Kg
Color	16.7M	16.7M
Surface treatments	Anti-glare	Anti-glare
Remote control range	⩾8m ± 30°	⩾8m ± 30°
Storage channels	199	199

● VGA input mode

18.5" / 21.5"(HD)

S/N	Mode	Resolution	Refresh(Hz)
1	VGA	720×400	70
2		640×480	60
3	SVGA	800×600	60
4	XGA	1024×768	60
5	WXGA	1360×768	60

Note: *Recommended mode: 1360×768@60Hz*

20"

S/N	Mode	Resolution	Refresh(Hz)
1	VGA	720×400	70
2		640×480	60
3	SVGA	800×600	60
4	XGA	1024×768	60
5		1280×720	60
6	WXGA	1600×900	60

Note: *Recommended mode: 1600×900@60Hz*

21.5" (FHD) / 23"

S/N	Mode	Resolution	Refresh(Hz)
1	VGA	720×400	70
2		640×480	60
3	SVGA	800×600	60
4	XGA	1024×768	60
5		1280×720	60
6		1280×960	60
7	SXGA	1280×1024	60
8	WXGA	1360×768	60
9		1600×900	60
10	WUXGA	1920×1080	60

Note: *Recommended mode: 1920×1080@60Hz*

● Power supply: Comply with EPA standard, compatible with VESA DPMS standard.

Mode	Power LED indicator	Power consumption
On	Off	⩽45W(18.5"/21.5")
		⩽55W(20")
		⩽65W(23")
Standby	On	⩽2W

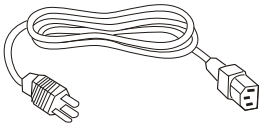
Note: *This specification is subject to change without notices. If there are differences between manual and real operation, please do according to real operation.*

Listing

Please make sure that all of the following items are complete:

- LCD TV MONITOR (Include base);
- User manual;
- Power cord;
- Remote control ;

If any of above listed items is missing, please contact your dealer or our service department.



Power cord

Installation & Connection

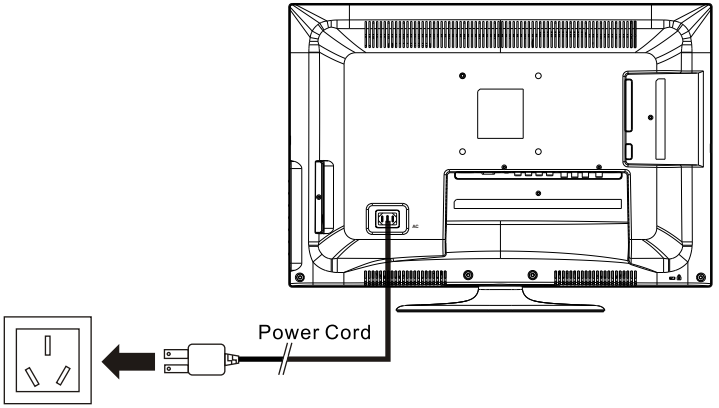
Power Connection

Plug one end of the power cord into the input port of the machine's power supply and then insert the other end into the socket of the electrical source (AC 100V-240V, 60/50Hz).

Notes:

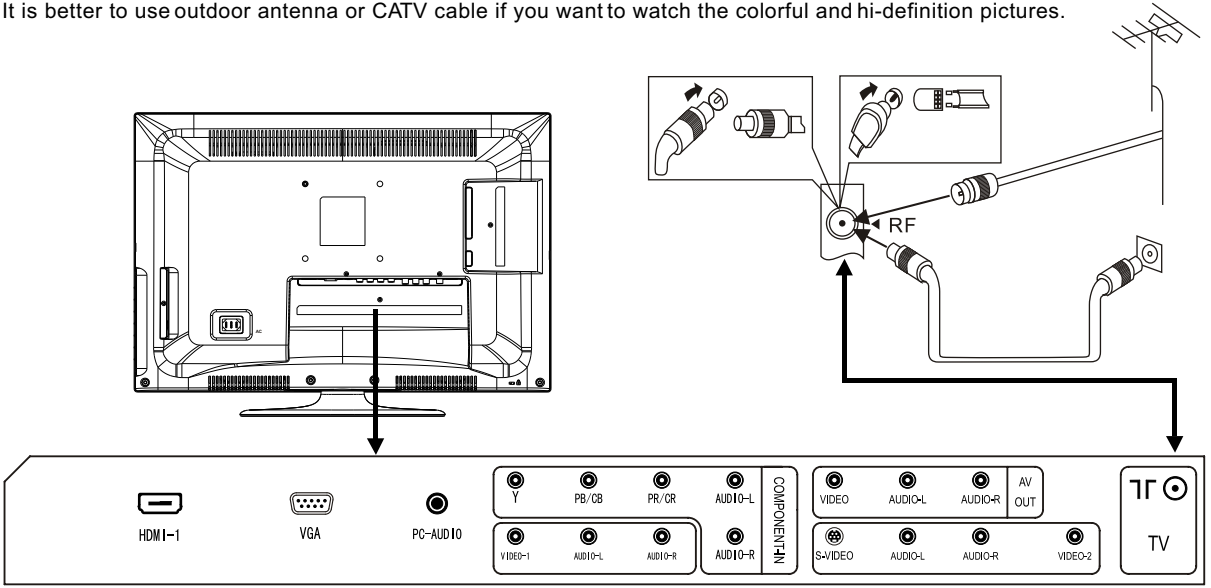
1. When connecting the power cord, be sure to turn off the machine and other equipment's power.

2. If a long time at leisure, please disconnect it from power supply.



Antenna Connection

It is better to use outdoor antenna or CATV cable if you want to watch the colorful and hi-definition pictures.



Attention:

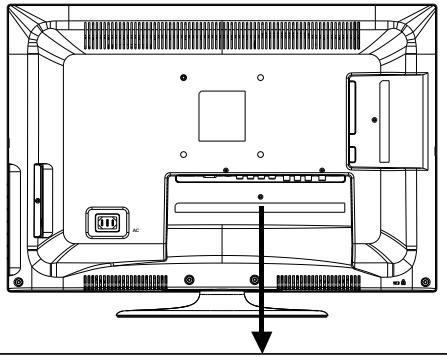
Please turn off TV power before the outdoor antenna is connected to the TV signal input port. Outdoor antenna can't be located near the high-voltage wires. Please pull out the plug of outdoor antenna to avoid thunder shock in thunder weather.

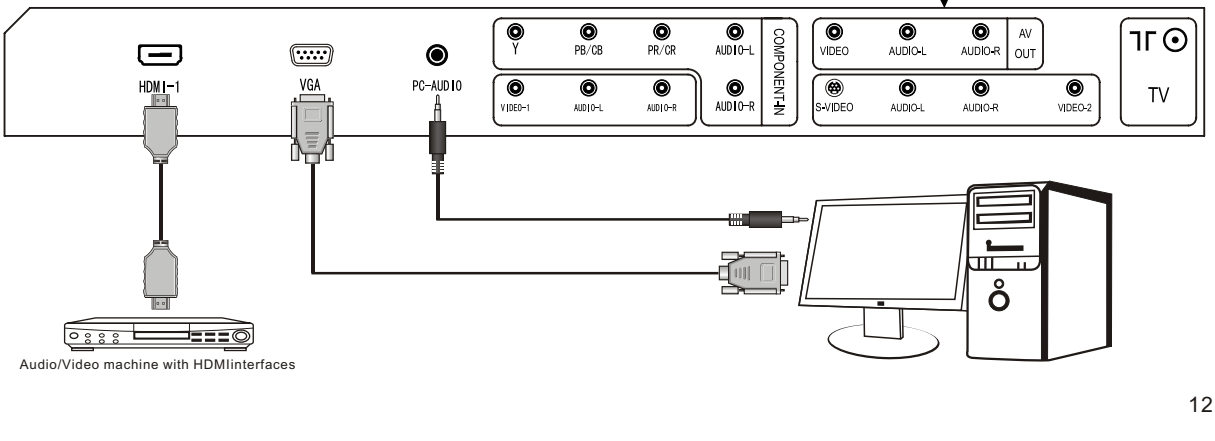
Computer Connection

Please connect one end of VGA cord with the output port of the computer (available for both desktop or laptop computer), and another end of VGA cord with the input port of the VGA on its rear cover.

HDMI digital port Connection

Connect external HDMI high signal source to HDMI digital input port of this machine through HDMI digital connector cable; push "SOURCE" button to select "HDMI" signal source.

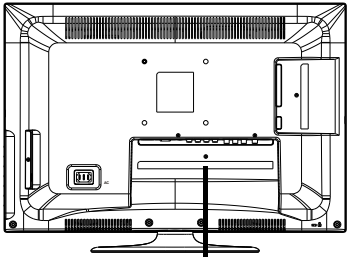


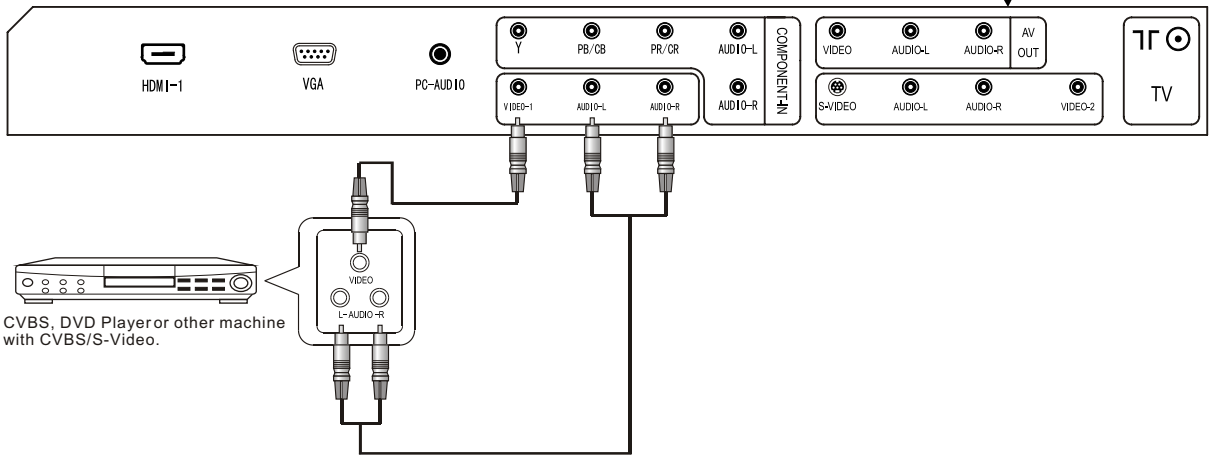


Audio/Video machine with HDMI interfaces

AV1 Video Signal Connection

Through composite cable, connect AV equipment VIDEO output termination to this machine VIDEO input, and AV equipment AUDIO output termination to this machine AUDIO input, respectively; Press "SOURCE" key to select "AV1" signal source.



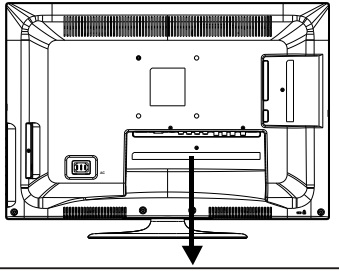


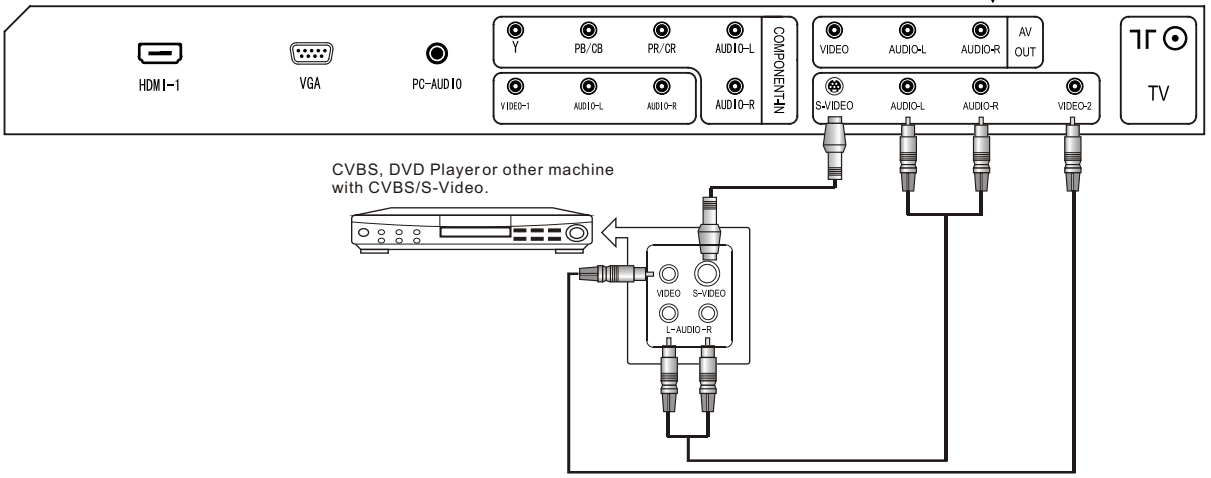
CVBS, DVD Player or other machine with CVBS/S-Video.

AV2 Video Signal Connection

For easy connection to AV Video Signal, there are a group of AV Video Signal input ports on the down part on the left side of the machine. The connection method is the same as AV1; Press "SOURCE" key to select "AV2" signal source.

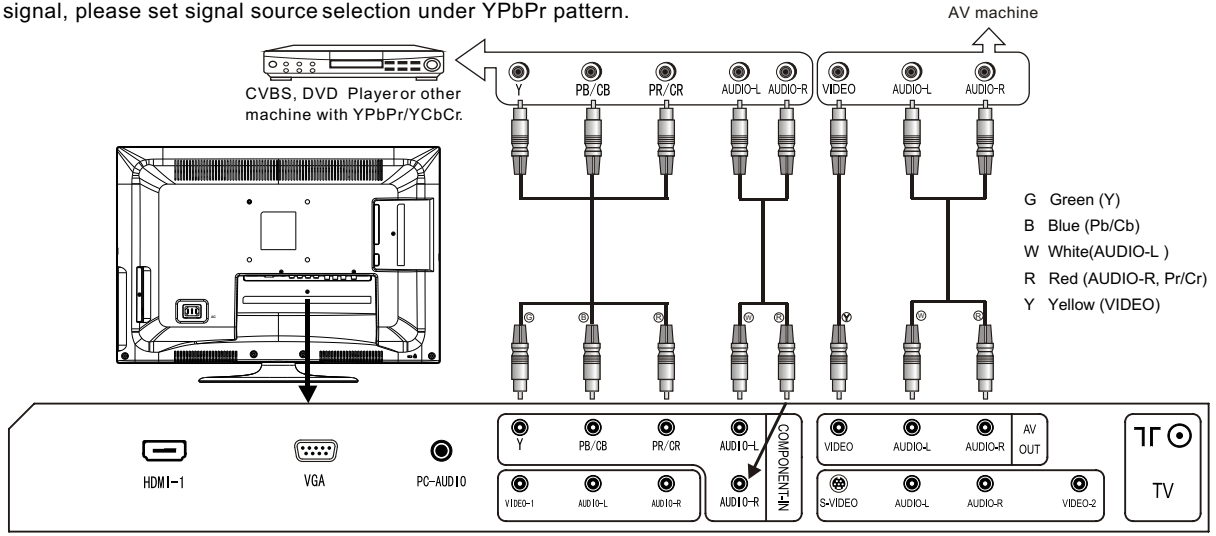
S-VIDEO input connection: Through S-VIDEO/AUDIO cables to connect external AUDIO/VIDEO equipment to the machine's AUDIO/VIDEO input port, and press "SOURCE" key to select "SVIDEO" signal source





YPbPr/YCbCr Input Connection

If the signal source is DVD, Digital wired receiver or equipments with the YPbPr/YCbCr output, recommends you to connect YPbPr or YCbCr output with the TV YPbPr/YCbCr input. In order to obtains the better picture quality, at the same time, please connect its audio output with TV audio input as shown in the following chart. If you choose the YPbPr/YCbCr signal, please set signal source selection under YPbPr pattern.

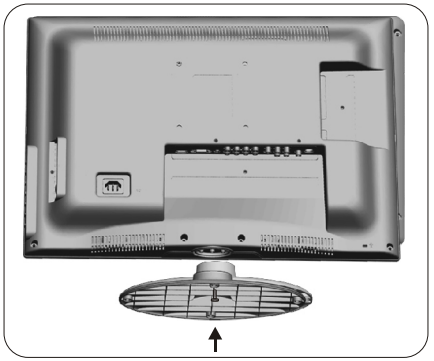


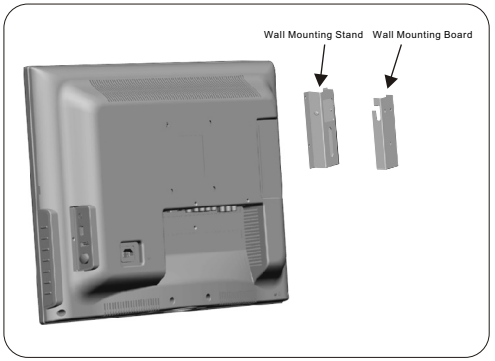
AV connection

If you need watch image of DV and connect your TV game machine, you can connect audio or video output end of DV and game machine to the monitor.

Base installation

Base equipment act as the picture. Equip the base with the machine according to arrow point, and lock the bolt tightly.





Wall Mounting subassembly installation

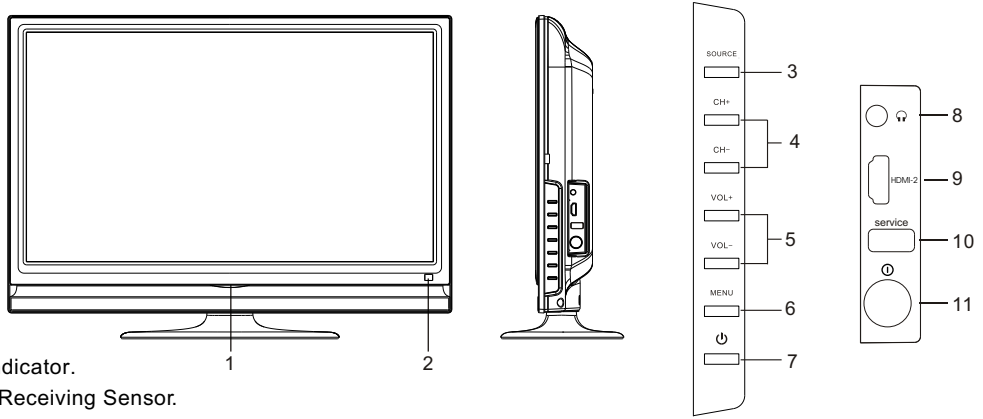
Installation for VESA Wall Mounting

1. Take off the base subassembly
2. Fasten the wall mounting board. (The height can be confirmed by the user)
3. Fasten the wall mounting stand at the position of VESA on the rear cover with bolts.
4. Spin M4 bolts into the left-right nuts on the wall mounting stand. 3-4 mm of depth from bolts washer to stand is recommended.
5. Hang the machine onto the slot of the wall mounting board. Then lock the two bolts on the sides.

Note: ● *Installation method is different because of Hanging arm hardware's structure.*

● *Must install the wall pendant on firm wall surface, please do not install this machine on ceiling or vehicles.*

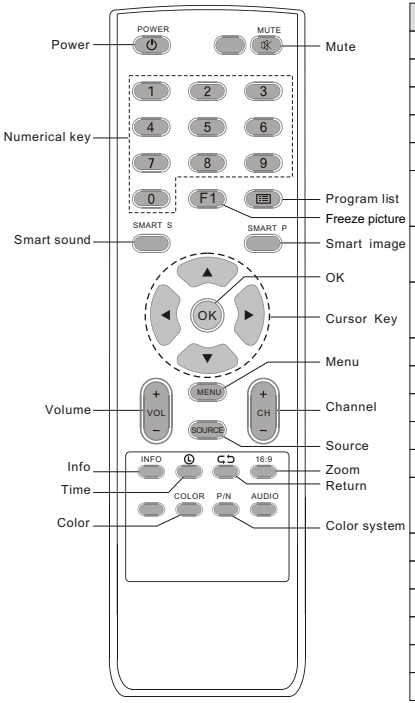
Front Panel Control Keys



1. Power Indicator.
2. Remote Receiving Sensor.
3. SOURCE: Press this key to enter the menu of signal source and choose signal source.
4. CH+/CH-: Press these two keys to choose channel, and adjust the options you need under OSD operation.
5. VOL+/VOL-: Press these two keys to add or reduce volume, and adjust the analog value under OSD operation.
6. MENU: Press this key to enter main menu.
7. ⏻ Power on/Standby .
8. 🎧 Earphone Socket: The TV speakers will be shut off when earphone is inserted into this socket.
9. HDMI-2 interface.
10. Service: USB interface.
11. ⏼ Power switch.

Note: *There are some apparent differences between modes, please according to practicality.*

Remote control



Key	Function
POWER	Turn on or standby
MUTE	Eliminate sound
Numerical key	Number input button
F1	Freeze picture
Program list	Look through or edit Program list
SMART S	Intelligent sound mode selection STANDARD → NEWS → MUSIC → PERSONAL
SMART P	Intelligent image mode selection STANDARD → DYNAMIC → SOFT → PERSONAL
Cursor key	Up or Down cursor button: function select Left or right cursor button; analog add or reduce
VOL+/VOL-	Sound volume add or reduce button
MENU	Press this button to display menu
SOURCE	Press this button to display signal source selection menu
CH+/CH-	Select channel Number
INFO	System information display switch
Time	Timer setting button, press this key can set time of turning down. Off → 15 → 30 → 45 → 60 → 120
Return	Press this button to return to last watching channel
16:9	"FULL", "MOVIE", "CAPTION", "4:3", "PANORAMA"
Color	Color temperature mode selection button: Normal → Warm → Cool
P/N	Color system mode selection button: PAL → NTSC(SECAM) → Auto
AUDIO	Optional
OK	Confirm operation

Remote control battery installation method:

Take off the cover of battery box, fix two AAA batteries with 1.5 volt, and conform with the polarity of remote control battery box.

Note: *Appearance of the remote control may be different from this picture, please according to practicality.*

Precautions for use of remote control:

1. When using remote control you should point it to the remote-control inductive window. The goods between remote control and inductive window may hinder normal operation.
2. Do not cause the remote control to receive fierce vibration. In addition, do not set or place the remote control under direct sunlight, for the thermal energy will cause the distortion of remote control.
3. When remote-control inductive window of main machine is under direct sunlight or intense illumination, the remote control may malfunction, by now, please change the angle of illumination or this machine, or approach the inductive window to operate the remote control.
4. When the battery voltage is insufficiency it influences the remote control distance, you should replace with new battery; when not to use the remote control for long or the battery is exhausted, please take out the battery, in order to avoid bringing the battery leakage to corrode the remote control and thus cause it out of commission.
5. Do not use different batteries. The mix use of new and old batteries is not allowed, you should use battery pair.
6. Do not throw battery into fire, charge or disassembly, especially do not charge, assemble and disassemble, heat or burn to the used battery. Please observe the related environmental protection stipulation on wasted battery.

Basic Operation Instruction

Power On

Plug power cord into the electrical socket, press power switch button on right side lower part of the back cover , then press "⏻ " key on the front panel, or press "Power" key on the remote control to turn on the TV.

Standby

Press "Power"key on the remote control. TV will be in standby.

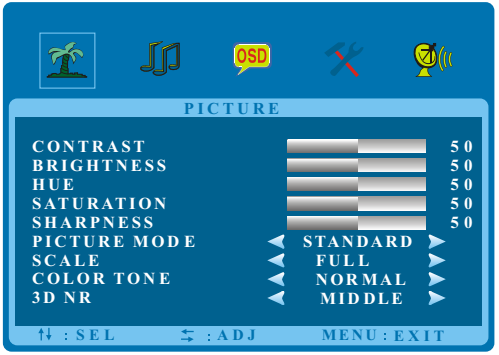
★Special Attention:

1. TV set will automatically turn to standby if there is no signal input for 5 minutes when TV turns on.
2. TV set will automatically turn to standby when the preset time of turning off reaches.
3. If you do not use it for a long time ,please turn off the power supply for the machine . Do not let the machine work in standby state for a long time.

Signal Source Selection

Press "SOURCE" key either on the remote control or on the front panel. "MENU OF SIGNAL SOURCE" will be displayed on the screen. Then press "Up/Down" key on remote control or "CH+/CH-" key on the front panel to choose the signal source such as TV, AV1, AV2, SVIDEO, YPbPr, HDMI1, HDMI2, PC, USB. Press "OK" key on the remote control or "MENU" key on the front panel and TV will switch the current signal source to the signal source you choose.

Menu Operation Instruction



Press "MENU" key on the remote control or on the front panel, then the TV will display the main menu.

1. Press "Left/Right" key on the remote control or "VOL+/VOL-" key on the front panel to select the adjustment sort menu, which includes 5 sorts: PICTURE, SOUND, OSD, ADVANCE, TV.
2. Press "Down"key on the remote control or "CH-" on the front panel to enter the adjustment sort menu.
3. Press "Up/Down" key on the remote control or "CH+/CH-" on the front panel to select what is needed to adjust in sort menu.
4. Press "Left/Right" key on the remote control or "VOL+/ VOL-" on the front panel to adjust the value or setting.
5. Press "Menu" key to exit the main menu when the TV displays the Main Menu; Press "Menu" key to return to previous menu when the TV displays the submenu; Press "Source"key to display the signal source menu or exit signal source menu.
6. During the operation, the selections which can not be adjusted at current mode will be hidden automatically and the color of the selections will be changed into gray.
7. Menu Operation Instruction in this manual is explained according to TV mode. The operations in other modes are similar to the one in TV mode. Users can take it as reference.

PICTURE

Select to enter the PICTURE submenu. Press "Up/Down" key on the remote control or "CH+/CH-" key on the front panel to choose what you need. Press the "Left/Right" key on the remote control or the "VOL+/VOL-" key on the front panel to adjust analog value or state (see below table).

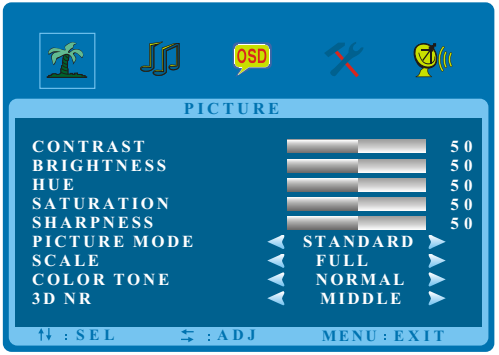
★Special Attention

1. The Hue function is available only for NTSC system.
2. The value adjusted by user, such as Contrast, Brightness, Saturation, Hue, and Sharpness will be saved automatically by the machine as personal mode.

★Remote Control Shortcut Keys

SMART P: Press SMART P key on the remote control. You can switch the function among the "STANDARD", "DYNAMIC", "SOFT", "PERSONAL" four modes.

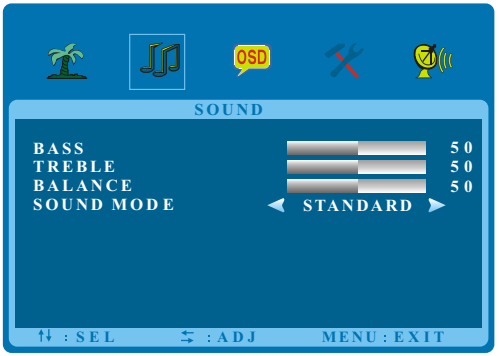
16:9: Press 16:9 key on the remote control, you can switch the mode among the "FULL", "MOVIE", "CAPTION", "4:3", "PANORAMA" five modes.



Option	Function	Description
CONTRAST	Adjust the contrast of whole picture	Increasing analog value increases Contrast; Decreasing analog value decreases Contrast(0-100).
BRIGHTNESS	Adjust brightness and blackness of whole picture	Increasing analog value increases brightness; Decreasing analog value decreases brightness(0-100).
HUE	Adjust the hue of whole picture	Increasing analog value increases green; Decreasing analog value increases purple(0-100).
SATURATION	Adjust the saturation of whole picture	Increasing analog value increases color; Decreasing analog value decreases color (0-100).
SHARPNESS	Adjust the sharpness of whole picture	Increasing analog value increases definition; Decreasing analog value decreases definition (0-100).
PICTURE MODE	Select picture mode	"STANDARD", "DYNAMIC", "SOFT","PERSONAL" four modes.
SCALE	Select picture scale	"FULL", "MOVIE", "CAPTION", "4:3", "PANORAMA",
COLOR TONE	Select color temperature mode of the picture	There are three Color Temperature modes, "NORMAL", "WARM", "COOL ".
3D NR	Select model of 3D NR	"MIDDLE", "STRONG", "WEAK", "OFF".

SOUND

Select to enter the SOUND submenu. Press "Up/Down" key on the remote control or the key "CH+/CH-" on the front panel to choose what you need. Press the "Left / Right" key on the remote control or the "VOL+/VOL-" key on the front panel to adjust analog value or state (see below table).



★Special Attention

1. Normally, 50 value of adjustment is recommended;
2. The treble or bass analog value which is adjusted by the users will be saved as the personal mode by the machine

★Remote Control Shortcut Keys

SMART S: Press SMART S key on the remote control. You can switch the function among the, "STANDARD","NEWS", "MUSIC", "PERSONAL" four modes.

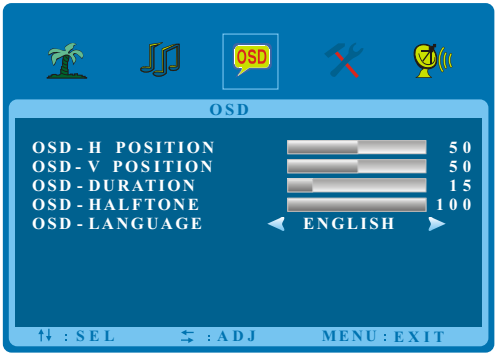
MUTE: Open or close sound.

VOL+/VOL-: Add or reduce volume.

Option	Function	Description
BASS	Adjust bass value	Increasing analog value increases bass; Decreasing analog value decreases bass (0-100).
TREBLE	Adjust treble value	Increasing analog value increases treble; Decreasing analog value decreases treble (0-100).
BALANCE	Adjust balance of left or right sound	Increasing analog value decreasing left volume; Decreasing analog value decreases right volume(0-100).
SOUND MODE	Adjust audio effect mode	"STANDARD", "NEWS", "MUSIC", "PERSONAL" four modes.

OSD

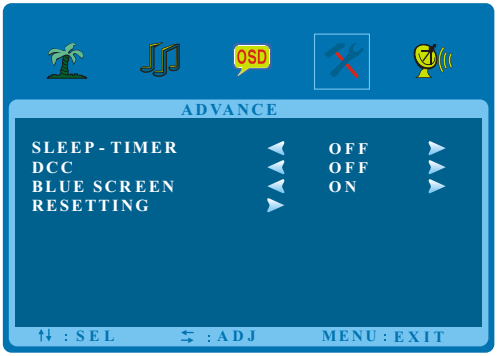
Select OSD to enter the OSD submenu. Press "Up/Down" key on the remote control or "CH+/CH-" key on the front panel to choose what you need. Press the "Left/Right" key on the remote control or the "VOL+/VOL-" key on the front panel to adjust analog value or state (see below table).



Option	Function	Description
OSD-H POSITION	Adjust H-position of OSD menu	Increasing analog value, OSD menu move toward right; Decreasing analog value, OSD menu move toward left (0-100).
OSD-V POSITION	Adjust V-position of OSD menu	Increasing analog value, OSD menu move toward down; Decreasing analog value, OSD menu move toward up(0-100).
OSD-DURATION	Adjust duration of OSD menu	Increasing analog value, extend duration time of OSD menu(5-60).
OSD-HALFTONE	Adjust halftone of OSD menu	Increasing analog value increases halftone; Decreasing analog value decreases halftone(0-100).
OSD LANGUAGE	Choose OSD menu display language	There are many languages to select.

ADVANCE

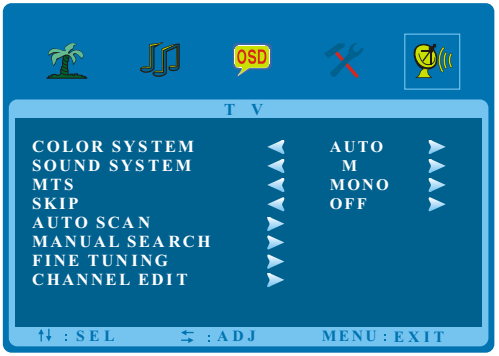
Select to enter the ADVANCE submenu. Press "Up/Down" key on the remote control or "CH+/CH-" key on the front panel to choose what you need. Press the "Left/Right" key on the remote control or the"VOL+/VOL-" key on the front panel to adjust analog value or state (see below table).



Option	Function	Description
SLEEP - TIMER	Set sleep time of the machine	"Off, 15M, 30M, 45M, 60M, 120M", unit: minute.
DCC	Open or close DCC	"ON/OFF" two states.
BLUE SCREEN	Open or close BLUE SCREEN	"ON/OFF" two states.
RESETTING	Resume to setting of factory	Reset all values to setting of factory.

TV

Select to enter the TV submenu. Press "Up/Down" key on the remote control or "CH+/CH-" key on the front panel to choose what you need. Press the "Left/Right" key on the remote control or the "VOL+/VOL-" key on the front panel to adjust analog value or state (see below table).



Option	Function	Description
COLOR SYSTEM	Select color system	"PAL, NTSC, AUTO" three modes.
SOUND SYSTEM	Select sound system	"I, D/K, M, AUTO, B/G" five modes.
MTS	Select MTS modes	"STEREO, MONO, DUAL Ⅰ, DUAL Ⅱ" four modes.
SKIP	Select skip or not	"ON/OFF" two states.
AUTO SCAN	Select auto search	Please refer to "AUTO SCAN"
MANUAL SEARCH	Select manul search	Please refer to "MANUAL SEARCH"
FINE TUNING	Select fine tuning	Please refer to "FINE TUNING"
CHANNEL EDIT	Select channel edit	Please refer to "CHANNEL EDIT"

AUTO SCAN

Select to enter the submenu of TV. Then press "Up/Down" key on the remote control or "CH+/CH-" on the front panel to select "AUTO SCAN". The machine perform search after pressing "Right" key on the remote control or "VOL+"on the front panel. (In the process of searching the channel automatically, press the key of "MENU" on the remote control to stop searching). Meanwhile, it will show Current Channel, Frequency. All of the TV programs will be saved automatically.

MANUAL SEARCH

Select to enter the submenu of TV. Then press "Up/Down" key on the remote control or "CH+/ CH-"on the front panel to select "MANUAL SEARCH". Then press the key of "Right" on the remote control or "VOL+" on the front panel to enter submenu of MANUAL SEARCH. Press "Left/Right" key on the remote control or "VOL+/VOL-" on the front panel to select channel No.. Press "Up/Down"key on the remote control to select "SEARCH ", press "Left/Right" key on the remote control again, the machine begin searching toward low frequency or high frequency. (In the process of searching the channel automatically, press the key of "MENU" on the remote control to stop searching).

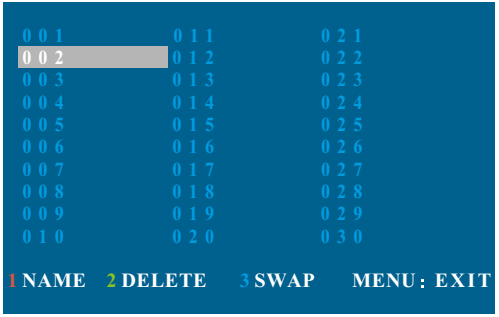
FINE TUNING

Select to enter the submenu of TV. Then press "Up/Down" key on the remote control or "CH+/CH-" key on the front panel to select "FINE TUNING". Press "Right" key on the remote control to enter submenu of "FINE TUNING". Press "Left/Right" key on the remote control to adjust from low frequency or high frequency.

CHANNEL EDIT

Select to enter the submenu of TV. Then press "Up/Down" key on the remote control or "CH+/CH-" on the front panel

to select "CHANNEL EDIT". Press "Right" key on the remote control to enter submenu of "CHANNEL EDIT" (Press program list key on the remote control to enter submenu of "CHANNEL EDIT").



NAME: Press "Cursor" key on the remote control to select channel. Press "1" key on the remote control to name. Press "UP/Down" key on the remote Control to select letter or number. Press "Left/Right " key on the remote control to move digit and then press "UP/Down" key on the remote control to select letter or number. Press "1" key on the remote control to confirm.

DELETE: Press "Cursor" key on the remote control to select channel which you wish delete. Press "2" key on the remote control, and then press "1" to confirm.

SWAP: Press "Cursor" key on the remote control to select channel which you wish change name's position, press "3" key on the remote control, then press "UP/Down" key on the remote control to select channel, press "1" to confirm.

Select Channels with "CH+/CH-" Key

Press Program key on the remote control or "CH+/ CH-" key on the front panel to select the channels.

Select channels with the Return key you can go to the last channel when pressing the Return key. For example, if the last channel is 10 and the current channel is 20, you will go to channel 10 when pressing the Return key. You can switch the two favourite channels as you like.

Select Channels with Numeric Keys

1. Operations to select channels with 1 digit (0-9):
   Press the number keys (0-9)on the remote control to select TV channel directly .
2. Operations to select channels with 2 digits (10-99):
   Press the number keys with 2 digits (10-99) on the remote control to select TV channels.
3. Operations to select channels with 3 digits (100-199):
   Press the number keys with 3 digits (100-199) on the remote control to select TV channels.

> ***Note:*** *With the mode of AV1, AV2, SVIDEO, YPbPr, HDMI1, HDMI2, PC, all functions and adjustments are similar with TV. User can check it at convenience. HDMI connector can realize DVI connector function with external HDMI/DVI commutator.*

USB signal source operation

Please insert USB memory card into USB interface of TV, press "SOURCE" key on the remote control or front panel to select USB signal source (if you don't insert the USB memory card into USB interface of TV, operation is invalid), press "OK" key to enter.

Note: *This USB interface only support move U dish, can't connect move hard drive, also can't connect to USB interface of computer. USB support file format with Mp3/JPG. It isn't compatible with some of move U dishes, please replace move U dish.*

Simple troubleshooting

Symptom	Factor	Solution
Snowflake speckle and sound noise.	1.Antenna cable connector is loose, cable is damaged. 2.Channel setting is incorrect. 3.Antenna cable type is not matching. 4.Direction or position of antenna cable is incorrect. 5.Signal is weak.	1.Check the antenna cable connector plug whether or not loose, cable whether or not perfect. 2.Refer to channel setting method, resetting again. 3.Check antenna cable type(VHF/UHF) 4.Adjust direction or position of antenna cable . 5.Attempt to use signal amplifier.
TV image is better, but has noise.	TV system setting is incorrect.	Enter to "TV" menu, reset sound system again .
No image. No sound.	Power plug is loose, power cord don't connect well.	1.Check power cord whether or not connect well. 2.Check if the machine is on standby. 3.Check if the power switch button is on.
TV image have stripe.	Signal is exposed to disturb, such as car, neon light, electric blower etc.	Don't use electric blower around machine, adjust antenna cable direction to reduce disturb.
TV image have shadow.	1.TV signal is reflected by valley or building. 2.Toward direction of antenna cable is incorrect.	1.Use high directional antenna cable. Use FINE TUNING of "TV". 2.Adjust toward direction of antenna cable.
No color.	1.Color saturation is too low. 2.Color system is incorrect .	1.Enter "PICTURE" to add up color saturation. 2.Enter "TV" to change color system.
TV no sound.	1.Volume setting is too low. 2.Sound is muted. 3.Sound system is incorrect.	1.Adjust volume to proper value. 2.Press "MUTE" button on remote control to eliminate mute. 3.Enter "TV" to change sound system.

Symptom	Factor	Solution
Computer no display, and prompt no signal input, red indicator LED twinkling.	Signal cable is loose or fall off.	Check signal cable whether or not loose, fall off, reconnect well again.
Remote control distance is short, lose control.	1.Receive window of remote continue was covered by objects. 2.The battery energy of remote control is to low.	1.Remove objects, avoiding cover the receive window of remote control. 2.Change battery.
Computer display faintly.	1.Adjustment is incorrect. 2.Display mode is incorrect.	1.Use auto-adjustment function. 2.Use commend mode
Computer display image excursion, not full screen, over screen.	1.Adjustment is incorrect. 2.Display mode is incorrect.	1.Use auto-adjustment function. 2.Enter "GEOMETRIC" to adjust horizontal or vertical position. 3.Use recommended mode.
Noise Signals at turning off.	Electrical release at turning off.	It is normal.
Can not operate this machine .	Exterior influence, for example lightning, static electricity and so on, which are possibly to disturb the normal operation of this machine	Press "power switch" button to turn off electrical source, then press "power switch" button to turn on the TV again after 1-2 minutes.

***CAUTION**: Don't let your machine display the same picture for a long time, please set up a screen protection procedure. If a high contrast picture remains for along time, this picture will bring a 'leave shadow' in screen. Usually the 'leave shadow' will disappear gradually when you turn off the machine power. However, this trouble can't be repaired , Which isn't in range of warranty.*